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1 Meeting lifetime goals with energy levels
Andreas Lachenmann, Pedro José Marrón, Daniel Minder, Kurt Rothermel
November 2007 **SenSys '07:** Proceedings of the 5th international conferenc
systems
Publisher: ACM Request Permissions
Full text available: Pdf (258.58 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 112, Downlo

In this paper we present *Levels*, a programming abstraction for energy-
Unlike most previous work it does not try to maximize network lifetime
lifetime goals while maximizing ...

Keywords: energy, lifetime goal, programming abstraction, wireless se

2 Activity recognition for context-aware hospital applications: issues ar of pervasive networks
Jesus Favela, Monica Tentori, Luis A. Castro, Victor M. Gonzalez, Elisa B. M
March 2007   **Mobile Networks and Applications** , Volume 12 Issue 2-3
Publisher: Kluwer Academic Publishers
Full text available: Pdf (489.52 KB)   Additional Information: full citation, abstrac

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Hospitals are convenient settings for the deployment of context-aware a
hospital workers are highly dependent on contextual variables, such as
of these parameters can be easily ...

Keywords: activity estimation, context-aware computing, hospital activ

3 RCBR: a simple and efficient service for multiple time-scale traffic
Matthias Grossglauser, Srinivasan Keshav, David N. C. Tse
December 1997 **IEEE/ACM Transactions on Networking (TON)** , Volume
Publisher: IEEE Press
Full text available: Pdf (617.74 KB)   Additional Information: full citation, referer

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 37, Downloa

Keywords: compressed video, multiple time scales, renegotiation, vari

4 Measuring the Performance and Reliability of Production Computatic
Omid Khalili, Jiahua He, Catherine Olschanowsky, Allan Snavely, Henri Cas
September 2006 **GRID '06:** Proceedings of the 7th IEEE/ACM International
Publisher: IEEE Computer Society
Full text available: Pdf (427.16 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 26, Downloa

In this work we report on data gathered via a deployment of a monitorii
two production grid platforms, TeraGrid and Geon. Our result show that
unavailable, with success rates for benchmark ...

5 Packet prediction for speculative cut-through switching
Paul Congdon, Matthew Farrens, Prasant Mohapatra
November 2008 **ANCS '08:** Proceedings of the 4th ACM/IEEE Symposium o
Communications Systems
Publisher: ACM Request Permissions
Full text available: Pdf (154.03 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 63, Downloa

The amount of intelligent packet processing in an Ethernet switch contir
embedded applications such as network security, load balancing and qu
increased packet processing is contributing ...

Keywords: cut-through, ethernet switching, packet prediction, specula

6 Content sharing middleware for mobile devices
Petros Belimpasakis, Juha-Pekka Luoma, Mihaly Börzsei
February 2008 **MOBILWARE '08:** Proceedings of the 1st international confi
MiddleWARE, Operating Systems, and Applications
Publisher: ICST (Institute for Computer Sciences, Social-Informatics and Telecom
Full text available: Pdf (706.62 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 100, Downl

As mobile smart phones have evolved being converged devices, they ar
different types of high quality content, such as images, music and video
synchronize and archive their content, lead to the ...

Keywords: Symbian, content, middleware, mobile devices, sharing

7 Zigzag decoding: combating hidden terminals in wireless networks
Shyamnath Gollakota, Dina Katabi
August 2008 **SIGCOMM '08:** Proceedings of the ACM SIGCOMM 2008 confe
Publisher: ACM Request Permissions
Full text available: Pdf (930.40 KB)   Additional Information: full citation, abstra

Bibliometrics: Downloads (6 Weeks): 31, Downloads (12 Months): 331, Downl

This paper presents ZigZag, an 802.11 receiver design that combats hic contribution is a new form of interference cancellation that exploits asyr Specifically, 802.11 retransmissions, in ...

Keywords: hidden terminals, interference cancellation, wireless

Also published in:
October 2008 **SIGCOMM Computer Communication Review** Volume 38 Issue

8 BlueStar: enabling efficient integration between bluetooth WPANs ar
Carlos De M. Cordeiro, Sachin Abhyankar, Rishi Toshiwal, Dharma P. Agrav
August 2004 **Mobile Networks and Applications** , Volume 9 Issue 4
Publisher: Kluwer Academic Publishers
Full text available: Pdf (672.02 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 20,   Downloads (12 Months): 87,   Downlo

Bluetooth is a radio technology for Wireless Personal Area Networking ('
frequency band. So far, there has been little research on how Bluetooth
efficiently have uninterrupted access ...

Keywords: IEEE 802.11, analytical modeling, architecture, bluetooth, c
gateway, interference, protocol stack, simulation

9 Constructing collaborative desktop storage caches for large scientifi
Sudharshan S. Vazhkudai, Xiaosong Ma, Vincent W. Freeh, Jonathan W. Si
Simon, Stephen L. Scott
August 2006 **Transactions on Storage (TOS)** , Volume 2 Issue 3
Publisher: ACM Request Permissions
Full text available: Pdf (833.76 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 16,   Downloads (12 Months): 122,   Downl

High-end computing is suffering a *data deluge* from experiments, simuli
overwhelming application dataset sizes. This has led to the proliferation
storage area clusters, and data ...

Keywords: Distributed storage, parallel I/O, scientific data managemer
cache, storage networking, storage resoucce management, storage scav

10 Improving the reliability of commodity operating systems
Michael M. Swift, Brian N. Bershad, Henry M. Levy
February 2005 **Transactions on Computer Systems (TOCS)** , Volume 23 Is
Publisher: ACM Request Permissions
Full text available: Pdf (459.98 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 62,   Downloads (12 Months): 349,   Downl

Despite decades of research in extensible operating system technology,
remain a significant cause of system failures. In Windows XP, for examp
recently reported failures.This article ...

Keywords: I/O, Recovery, device drivers, protection, virtual memory

11 Implementing an interdisciplinary capstone course for associate deg

Pamela S. Ecker, Jason Caudill, David Hoctor, Colleen Meyer

October 2004 **CITC5 '04:** Proceedings of the 5th conference on Information

Publisher: ACM ⚡ Request Permissions

Full text available: 📄 Pdf (153.95 KB)　　　Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 8,　Downloads (12 Months): 36,　Downloa

The Multimedia Information Design department at Cincinnati State Tech
implemented a team-based, team-taught capstone course as a graduati
associate degrees in Audio/Video Production, Computer ...

Keywords: capstone courses, experiential learning, student projects, t

12 Passive estimation of TCP round-trip times

Hao Jiang, Constantinos Dovrolis

July 2002　　**SIGCOMM Computer Communication Review** , Volume 32 Iss

Publisher: ACM

Full text available: 📄 Pdf (627.33 KB)　　　Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 26,　Downloads (12 Months): 126,　Downl

We propose and evaluate a passive measurement methodology that est
Times (RTTs) for the TCP connections that flow through a network link.
buffer provisioning, configuration ...

13 On the stability of the information carried by traffic flow features at th

Alice Este, Francesco Gringoli, Luca Salgarelli

June 2009　　**SIGCOMM Computer Communication Review** , Volume 39 Iss

Publisher: ACM

Full text available: 📄 Pdf (554.51 KB)　　　Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 11,　Downloads (12 Months): 116,　Downl

This paper presents a statistical analysis of the amount of information t
observed at the packet-level carry, with respect to the protocol that ger
of information of the majority of ...

Keywords: traffic classification, transport layer

14 A mobile computing middleware for location- and context-aware inte

Paolo Bellavista, Antonio Corradi, Rebecca Montanari, Cesare Stefanelli

November 2006 **Transactions on Internet Technology (TOIT)** , Volume 6

Publisher: ACM ⚡ Request Permissions

Full text available: 📄 Pdf (316.77 KB)　　　Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 35,　Downloads (12 Months): 283,　Downl

The widespread diffusion of mobile computing calls for novel services ca

on both the current physical position of users (location) and the logical :
services, preferences, and ...

Keywords: Mobile computing, adaptive services, context awareness, lc
agents, policies

15 Advocating a remote socket architecture for internet access using wi
M. Schläger, B. Rathke, A. Wolisz, S. Bodenstein
January 2001 **Mobile Networks and Applications** , Volume 6 Issue 1
Publisher: Kluwer Academic Publishers
Full text available: Pdf (490.10 KB)   Additional Information: full citation, referer

Bibliometrics: Downloads (6 Weeks): 6,   Downloads (12 Months): 32,   Downloa

Keywords: TCP, internet access, measurement, performance, socket-ir

16 Can you infect me now?: malware propagation in mobile phone netw
Chris Fleizach, Michael Liljenstam, Per Johansson, Geoffrey M. Voelker, Anc
November 2007 **WORM '07:** Proceedings of the 2007 ACM workshop on Re
Publisher: ACM
Full text available: Pdf (946.28 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 27,   Downloads (12 Months): 226,   Downl

In this paper we evaluate the effects of malware propagating usingcomr
networks. Although self-propagating malware is well understood in the l
very different characteristics in terms ...

Keywords: cellular phone networks, defenses, epidemiology, measurer

17 mINI: reducing network interface memory requirements with dynamic
Reza Azimi, Angelos Bilas
June 2003   **ICS '03:** Proceedings of the 17th annual international confere
Publisher: ACM Request Permissions
Full text available: Pdf (289.75 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 21,   Downloa

Recent work in low-latency, high-bandwidth communication systems ha
Network Interface Controllers (NICs) and communication abstractions tf
to applications virtual memory to avoid ...

Keywords: parallel architectures, system area networks

18 Data base system performance prediction using an analytical model
Kenneth C. Sevcik
September 1981 **VLDB '1981: Proceedings of the seventh internationa**
Bases - Volume 7 , Volume 7
Publisher: VLDB Endowment
Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Downl

Much progress has been made recently in developing strategies for data
physical levels. Various approaches, some built into automated design a
be "good" (or even "optimal" in some ...

19 Think simulation - think experiment: the virtual cell paradigm
Ion I. Moraru, James C. Schaff, Leslie M. Loew
December 2006 **WSC '06:** Proceedings of the 38th conference on Winter sir
Publisher: Winter Simulation Conference
Full text available: Pdf (296.22 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 2,   Downloads (12 Months): 11,   Downloa

The Virtual Cell modeling and simulation framework is the product of int
applies the diverse strengths and experiences of individuals from engine
biological sciences, and mathematics. ...

20 Executing multiple pipelined data analysis operations in the grid
Matthew Spencer, Renato Ferreira, Michael Beynon, Tahsin Kurc, Umit Cata
November 2002 **Supercomputing '02:** Proceedings of the 2002 ACM/IEEE
Publisher: IEEE Computer Society Press
Full text available: Pdf (158.51 KB)   Additional Information: full citation, abstrac

Bibliometrics: Downloads (6 Weeks): 1,   Downloads (12 Months): 18,   Downloa

Processing of data in many data analysis applications can be represente
from data sources to the client. This paper is concerned with scheduling
each of which is represented ...

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